

STN

FILE 'MEDLINE, BIOSIS, EMBASE, SCISEARCH, DISSABS' ENTERED AT
12:06:19 ON

28 JUL 2006

L1 771 S NAIP

L2 28 S L1 AND (ANTIBODIES OR ANTIBODY)

L3 16 DUP REM L2 (12 DUPLICATES REMOVED)

WEST Search History

DATE: Friday, July 28, 2006

<u>Hide?</u>	<u>Set Name</u>	<u>Query</u>	<u>Hit Count</u>
<i>DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=OR</i>			
<input type="checkbox"/>	L2	(antibody or antibodies) and L1	239
<input type="checkbox"/>	L1	naip	416

END OF SEARCH HISTORY

MEDLINE

- #1 Search **naip**

12:04:28

216

Db 1201 SLPNFISLKLNLNLCQQFPDEETSEKERTILGSLSNLEELILPTGDGIYRVALIQQCQ 1260
 Qy 1261 QLHCLRVLSFFKTLNDDSVVEIGELVFQLAWKPVV 1295
 Db 1261 QLHCLRVLSFFKTLNDDSVVEIGELVFQLAWKPVV 1295

RESULT 4

AAW20032

ID AAW20032 standard; protein; 1403 AA.

XX

AC AAW20032;

XX

DT 06-OCT-1997 (first entry)

XX

DE Neuronal apoptosis inhibitor protein (NAIP).

XX

KW Neuronal apoptosis inhibitor protein; NAIP; diagnosis; therapy; cancer;

KW AIDS; amyotrophic lateral sclerosis; spinal muscular atrophy.

XX

OS Homo sapiens.

XX

PN WO9726331-A2.

XX

PD 24-JUL-1997.

XX

PF 17-JAN-1997; 97WO-IB000142.

XX

PR 19-JAN-1996; 96GB-00001108.

XX

PA (UYOT-) UNIV OTTAWA.

XX

PI Korneluk RG, Mackenzie AE, Roy N, Robertson G, Tamai K;

XX

DR WPI; 1997-385335/35.

DR N-PSDB; AAT71265.

XX

PT New neuronal inhibitor of apoptosis - useful for diagnosing and treating,
 e.g. cancer, AIDS or amyotrophic lateral sclerosis.

XX

PS Claim 41; Fig 6A-I; 102pp; English.

XX

CC Novel human neuronal apoptosis inhibitor protein (AAW20032), or NAIP, is
 CC a negative regulator of apoptosis, partic. neuronal apoptosis and, when
 CC deficient or absent, contributes to neurodegenerative phenotypes such as
 CC spinal muscular atrophy (SMA) and amyotrophic lateral sclerosis. Its
 CC amino acid sequence was deduced from a cDNA clone (AAT71265) obtd. from a
 CC human foetal spinal cord cDNA library. NAIP polypeptides, esp. those
 CC containing at least two BIR (baculovirus IAP repeat) domains, can be
 CC expressed in host- vector systems and used to increase or induce
 CC apoptosis for the treatment of AIDS, neurodegenerative disease,
 CC myelodysplastic syndromes or ischaemic injury, to screen for
 CC (anti)agonists, or to produce antibodies useful for inhibiting apoptosis

XX

SQ Sequence 1403 AA;

Query Match 99.0%; Score 6691; DB 2; Length 1403;
 Best Local Similarity 99.8%; Pred. No. 0;
 Matches 1282; Conservative 2; Mismatches 1; Indels 0; Gaps 0;

Qy 1 MATQQKASDERISQFDHNLLPELSALLGLDAVQLAKELEEEEQKERAKMQKGYNNSQMRSE 60
 Db 1 MATQQKASDERISQFDHNLLPELSALLGLDAVQLAKELEEEEQKERAKMQKGYNNSQMRSE 60

Qy 61 AKRLKTFTVTEPYSSWIQPEMAAGFYFTGVKSGIQCFCCSLILFGAGLTRLPIEDHKRF 120

Db 61 AKRLKTFTVTEPYSSWIQPEMAAGFYFTGVKSGIQCFCCSLILFGAGLTRLPIEDHKRF 120

Qy 121 HPDCGFLLNKDVGNIAKYDIRVKNLKSRLRGGMRYQEEEARLASFRNWPFYVQGISPCV 180

Db 121 HPDCGFLLNKDVGNIAKYDIRVKNLKSRLRGGMRYQEEEARLASFRNWPFYVQGISPCV 180

Qy 181 LSEAGFVFTGKQDTVQCFSCGGCLGNWEEGDDPWKEHAKWFPKCEFLRSKKSSEEITQYI 240

Db 181 LSEAGFVFTGKQDTVQCFSCGGCLGNWEEGDDPWKEHAKWFPKCEFLRSKKSSEEITQYI 240

BEST AVAILABLE COPY

Qy 241 QSYKGFVDITGEHFVNSWQRELPMASAYCND SIFAYEELRLDSFKDWPRESAVGVAALA 300
Db 241 QSYKGFVDITGEHFVNSWQRELPMASAYCND SIFAYEELRLDSFKDWPRESAVGVAALA 300
Qy 301 KAGLFYTGIKDIVQCFSCGGCLEKQEGDDPLDDHTRCFPNCPFLQNMKSSAEVTPDLQS 360
Db 301 KAGLFYTGIKDIVQCFSCGGCLEKQEGDDPLDDHTRCFPNCPFLQNMKSSAEVTPDLQS 360
Qy 361 RGE LCELLETTSES NLED SIAVGPIVPEMAQGEAQW FQEAKNLNEQLRAAYT SASFRHMS 420
Db 361 RGE LCELLETTSES NLED SIAVGPIVPEMAQGEAQW FQEAKNLNEQLRAAYT SASFRHMS 420
Qy 421 LLDISSLATDHLLGCDLSIASKHISKPVQEPLVLPEVFGNLNSVMC VEGEAGSGKTVLL 480
Db 421 LLDISSLATDHLLGCDLSIASKHISKPVQEPLVLPEVFGNLNSVMC VEGEAGSGKTVLL 480
Qy 481 KKIAFLWASGCCPLLNRFQLVFYLSLSSTRPDEGLASIICDQ LLEKEGSVTECMCRNIIQ 540
Db 481 KKIAFLWASGCCPLLNRFQLVFYLSLSSTRPDEGLASIICDQ LLEKEGSVTECMCRNIIQ 540
Qy 541 QLKNQVLFLLDDYKEICCSIPQVIGKLIQKNHLSRTCLLIAVRTNRARDIRRyleIK 600
Db 541 QLKNQVLFLLDDYKEICCSIPQVIGKLIQKNHLSRTCLLIAVRTNRARDIRRyleIK 600
Qy 601 A FPFYNTVCILRKLF SHNMTRLRKFMVYFGKNQSLQKIQKTPLFVAAICAHWFQYPFDPS 660
Db 601 A FPFYNTVCILRKLF SHNMTRLRKFMVYFGKNQSLQKIQKTPLFVAAICAHWFQYPFDPS 660
Qy 661 FDDVAVFKSYMERLSLRNKATAEILKATVSSC GELALKGFFSCCFEFNDDLAEGVDED 720
Db 661 FDDVAVFKSYMERLSLRNKATAEILKATVSSC GELALKGFFSCCFEFNDDLAEGVDED 720
Qy 721 EDLTMCLMSKFTAQRRLRPFYRFLSPA FQEFLAGMRLIELLDSDRQEHQDLGLYHLKQINS 780
Db 721 EDLTMCLMSKFTAQRRLRPFYRFLSPA FQEFLAGMRLIELLDSDRQEHQDLGLYHLKQINS 780
Qy 781 PMMTVSAYNNFLNYVSSLPSTKAGPKIVSHLLHLVDNKESEN LISEND DYLKHQPEISLQ 840
Db 781 PMMTVSAYNNFLNYVSSLPSTKAGPKIVSHLLHLVDNKESEN LISEND DYLKHQPEISLQ 840
Qy 841 MQLRGLWQICPQAYFSMVSEHLLVLALKTAYQSNTVAACSPFVLQFLQGRTLTGALNL 900
Db 841 MQLRGLWQICPQAYFSMVSEHLLVLALKTAYQSNTVAACSPFVLQFLQGRTLTGALNL 900
Qy 901 QYFFDHPE SLSLRLS IHPFIRGNKTS PRAHFSVLET CFDKSQVPTIDQDYASAFEPMNEW 960
Db 901 QYFFDHPE SLSLRLS IHPFIRGNKTS PRAHFSVLET CFDKSQVPTIDQDYASAFEPMNEW 960
Qy 961 ERNLAEKEDNVKSYMDMQR RASPD LSTGYWLSPKQYKIPCLEVDVNDIDVVGQDMLEIL 1020
Db 961 ERNLAEKEDNVKSYMDMQR RASPD LSTGYWLSPKQYKIPCLEVDVNDIDVVGQDMLEIL 1020
Qy 1021 M TVFSASQRIELHLNHSRGFIESIRPALELSKASVTKCSISKLELSAAE QELLTLPSLE 1080
Db 1021 M TVFSASQRIELHLNHSRGFIESIRPALELSKASVTKCSISKLELSAAE QELLTLPSLE 1080
Qy 1081 SLEVSGTIQS QDQI FPNL DKL CLKEL SVDLEG NIVFSV IPEEF PN FHHMEKLLI QISA 1140
Db 1081 SLEVSGTIQS QDQI FPNL DKL CLKEL SVDLEG NIVFSV IPEEF PN FHHMEKLLI QISA 1140
Qy 1141 EYDPSKLVKLIQNSP NLHVFLKCNFFSDFGS LMTMLV SCKKL TEIKFSDSFFQAVPFVA 1200
Db 1141 EYDPSKLVKLIQNSP NLHVFLKCNFFSDFGS LMTMLV SCKKL TEIKFSDSFFQAVPFVA 1200
Qy 1201 SLPNFISL KILNLE GQQFPDEETSEKFAYILG SLSN LEELILPTGDGIYRVA KLI IQCQ 1260
Db 1201 SLPNFISL KILNLE GQQFPDEETSEKFAYILG SLSN LEELILPTGDGIYRVA KLI IQCQ 1260
Qy 1261 QLHCLRVLSFFKTLNDDSVVEI GEL 1285
Db 1261 QLHCLRVLSFFKTLNDDSVVEI AKV 1285

RESULT 5
AAY09539

ID AAY09539 standard; protein; 1403 AA.